

# **BLUE-ZONE ▲ TECHNOLOGIES LTD**

*Leading Technologies for Health, Business and the Environment*

## **Sustainable Development for Reducing GHG Emissions and Providing Savings to the Healthcare Communities**

Presented by

**Dusanka Filipovic, P.Eng.  
President and CEO**

at

**Canadian Pollution Prevention Roundtable Conference, Calgary, June 11-13, 03  
Program Area: Strengthening Linkages:  
P2 & Climate Change, Sustainability, Healthcare and Education**

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## **Our Business**

- **Capture, Reclamation & Purification of Anesthetic Gases**
- **Globally patented Delta™ Technology**
- **Useful Life Cycle Extension**
- **Sustainable Manufacturing Processes**

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## **The Market for Deltane**

- **Global market > \$1 Billion**
- **15% annual growth**
- **USA ~ \$500 Million**
- **Canada ~ \$40 Million**
- **Growing Veterinary market**

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## **The North American Market for Blue-Zone Environmental Services**

- **95% of anesthetics are routinely vented**
- **GHGs with GWP Indices up to 1900x CO<sub>2</sub>**
- **1,100 Hospitals in Canada**
- **12,000 Hospitals in the USA**
- **1,500,000 tons CO<sub>2</sub> equivalent per year in Canada**

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## **Technology**

- **Unique patented Deltazite™ molecular sieve**
- **Well-established science and supporting technologies**
- **Captures 100% of vented halogenated gases**
- **Reclaims and purifies 95% of captured agents**

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## **Sustainable Development Features**

- **Extends useful life cycle of anesthetic agents up to 20 times**
- **Produces anesthetics at less cost than virgin product**
- **Furthermore, reduces the requirement for virgin product**
- **Possibility to extend anesthetic use to developing nations**

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## **Environmental Benefits**

- **Virtually eliminates one class of aggressive GHG from hospitals**
- **Significant energy savings, emissions and effluents reductions by reducing requirement for virgin material**
- **Monitoring and verification**

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## **Economic Benefits to Canada**

- **First production of halogenated anesthetics in Canada**
- **Creation of a new sustainable development industrial sector**
- **Potential for globalization with Canadian leadership**

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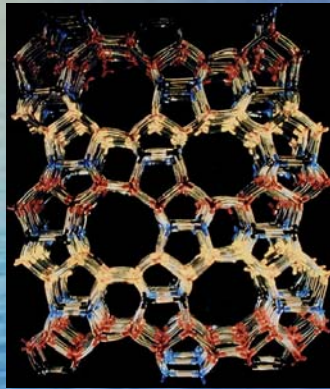
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## **Current Status**

- **Demonstration plant in Concord (Toronto)**
- **Pilot Project with five University Hospitals in Toronto**
- **Expansion to Cambridge, Kingston and Ottawa soon**
- **Late stage pre-commercial phase planned**
- **Potential for SDTC funding Program**

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**Today's Choices..... Tomorrow's Care**

**Thank You!**